

ABSTRACT OF THE DISCLOSURE

A position determination system comprises a data processing system, a first measuring module, and a second measuring module. Both of the measuring modules are coupled to the data processing system. The first measuring module includes a first sensing device for obtaining positional data of a first testing target. A calibration sensing device is rigidly linked to the first sensing device. The positional relationship between the first sensing device and the calibration target is known. The system has a rotation mechanism for rotating the sensing device of the first sensing device. The second measuring module includes a second sensing device for obtaining positional data of a second testing target. A calibration target is rigidly linked to the second sensing device, and is used with the calibration sensing device to obtain a positional relationship between the calibration target and the calibration sensing device. The positional relationship between the second sensing device and the calibration target is known. A rotation mechanism is provided for rotating the second sensing device. The data processing system provides a user interface for indicating the positions of the first and second sensing devices.